Math 1B Quiz 1

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Name:	Score:	/10	
You have twenty minutes	to complete the following quiz.	The quiz is closed	d-note but
open-chalkboard. Although yo	u do not need to write down ev	ery step of your co	alculation,
you do need to show enough u	vork that I know how you did ead	ch problem (no poi	nts will be
given for simply writing down	the correct answer). Partial crea	lit will be awarded j	for correct
work. Please box your final ar	nswers. Use the back of the page	for extra work if	necessary.

In the following integrals, you do not need to simplify. You do need to include "+C" or "plus an unknown constant" or some such remark in any indefinite integral.

1. (5 pts) Compute the following integral by integration by parts.

$$\int x^2 \cos 2x \, dx$$

2. (5 pts) Compute the following trigonometric integral.

$$\int_0^{\pi} \sec^4 t \, dt$$

3. (0 pts) Who is your favorite Beatle? And why?